

ELECTRONICALLY CONTROLLED ELECTRIC MOTOR

INTENDED FOR USE IN AN ENVIRONMENT WITH SOLVENTS - -

On page 1, after line 5, insert:

-- Background of the Invention

Field of the Invention - -

On page 1, after line 11, insert:

Description of the Related Art - -;

On page 1, after line 36, insert:

-- Summary of the Invention - -

On page 3, after line 28, insert:

-- Brief Description of the Drawings - -

On page 3, after line 37, insert:

-- Detailed Description of the Presently Preferred Embodiments - -

On page 3, last line, delete "a", first occurrence.

Please replace claims 1-6 with the following new claims:

7. An electronically controlled electric motor comprising:

at least one rotor bearing permanent magnet and a stator having coils; wherein motor position sensors for ascertaining a commutating time are arranged in the stator; at least one position sensor having an electrical conductor in which a current is induced by a moving magnetic field to generate a signal in the electrical conductor and which is produced integrally with connecting leads.